## KITCHENER PLANNED TO SMASH | Artist Soldier Wins Fame **GERMANY'S RESISTANCE BY 1918**

London, June 14.—This is an accurate and detailed statement of the strength and composition of the German army at present and of how it has been built up during the war. To put the German army in proper perspective with the war as a whole, as much as permissible will be said concerning the forces on the

There is a wide gulf between the viewward battle. The result of an action is calculated by the soldier from the num-ber of shells fired and casualties inflicted, relative to the number of men and projectiles possessed by the two sides. The civilian measures success by ground gained and prisoners taken. True, if any army gains much ground it almost always makes big hauls of prisoners and wins from any point of view, but it is the losses and not the ground that really count in this war of attrition.

From Soldier's Point of View

This article is written from the soldier's of view, from material supplied point of view, from material supplied by staff officers who display no more bias for their own side in working out their calculations than if they were solv-ing an equation, as indeed in a sense they are. "But if you write this sort of thing," correspondents as well as sol-diers have said to me, "you will bore your readers stiff."

sumption that the public, at least the American public, wants to know the truth about the war—not merely to read interesting and amusing official arod unofficial half-truths and fairy—Discussion concerning the It is impossible in the stress of a great campaign for newspapers, or even generals, to learn the rela-tive casualties and shell expenditure. while progress upon the map cannot be concealed, but the fundamental problem of manpower, studied for two years by all the staffs in Europe, can be accurately stated, and is more im-portant than which side at the moholds possession of a hundred

"Men, money and munitions." "Of these money is the least important. International bankruptcy all around would have no effect on the war, ex-cepting as it curtailed the power of the Entente to buy munitions in America and Japan, and the relative importance, though not the amount, of the manufacturing output of neutral countries is steadily declining as the industrial mobilization of Britain and Russia proceeds. Many good judges think Austria is bankrupt now, and Germany will be unable without indemnities to meet her obligations. But these facts, if they are facts, pro-duce little impression in the trenches. So long as a government can persuade or force its own people to accept its money, supplying its armies industrial resources within its borders and paying for supplies with paper, it can go on fighting, so far as finances are concerned, while it

Munitions Problem Important.

The problem of munitions is next in at this moment less capable of calcu-An authority in London informed me that the output of shells of all caliber in Germany and Austriaof all caliber in Germany and that Hungary is 400,000 a day, and that this figure, reached early this spring, represents the maximum number possible and can be continued indefinitely, but never exceeded. He added that the combined output of Great Britain, the combined output of Great Britain, the combined output of Great Britain, the combined number possible and produced that the combined with the combined output of Great Britain, the combined number possible and produced the combined output of Great Britain, with the combined number possible and produced the combined output of Great Britain, th pects 500,000 shells daily to be supplied the Entente armies, and even this figure may with neutral help be increased.

The exact position of Russia as regards equipment and munitions is a subject of

great superiority in the two most impor- out for himself and the French just how and the heavy gun. In light field pieces the French are superior to their opponents, and the British are now at least tion of Russian man power does not betheir equals, but the great works of Krupp and Skoda have declined to permit the lead in heavy ordnance which question with Russia is not how many they enjoyed at the beginning of the war men she can put in the field, but how to be taken from them. By prodigious many she can officer, equip and find guns efforts the surprised allies have been able and shells to support. The officer question is one of her most serious difficulthan the Germans had early in the war, ties, for the educated class in Russia than the Germans had early in the war, the state of the general thousand quick-firing 5.9-inch howitation than elsewhere in Europe, and most of the original officer corps was wiped out during the disasters of last ront, the standard three-inch field piece successes as the Germans have recently obtained before Ypres and at Vimy. Russia Gets Guns.

Meanwhile Skoda, in Austria, specializing in heavies, has turned out an incred-ible number of twelve and sixteen-inch recently by British and French gun-makers, and the present victorious Rus-sian attack indicates that Russia, too, when has supplied herself, or been supplied by

General Reserve of the Allies, Which Was Held Back.

(Copyright, 1998.)

By JOHN L. BALDERSTON.

London, June 14—This is an accurate ad detailed statement of the strength ad composition of the German army at resent and of how it has been built up the latter fluore and the lines of communication, can be put in the trenches. Assuming the latter figure, the empire is maintaining 1,240,000 available bayonets at home and abroad, in England, Ireland, India, Flanders, Mesopotamia, Maccodonia, Egypt and East Africa.

And it has been officially announced in the Commons that no more separate divisions will be raised during the war.

Where, then, are England's remaining the war.

Where, then, are England's remaining millions? The answer explains why, though the brunt of the fighting has been as a whole, as much as permissible will borne by others, Britain's allies hope her and conservative neutral critics, such as be said concerning the forces on the allied side and the relative importance of numbers compared with munitions and finances just touched upon.

See a whole, as much as permissible will borne by others, Britain's allies hope her and conservative neutral critics, such as Col. Feyler, of Switzerland, say that the and why her enemies, though affecting permanent wastage from all sources into sneer, dread her efforts during the concluding phases of the war. Britain be less than three million. Accepting concluding phases of the war. Britain has ample reserves to maintain her elighty-six divisions at full strength for nearly two years, thanks to the foresight of Lord Kitchener, who planned from the beginning, since he could not at the start improvise armies able to deal with Germany's veterans, to strike the finishing blow of the war. It is true that something like 500,000 good soldiers in Vinston and auxiliary services, and no trained thing like 500,000 good soldiers in Vinston and auxiliary services, and no trained contract of the contract of the strain solders in arms, and in maintaining one half of the king, the queen. This beginning, since he could not at the solders in arms, and in maintaining one start improvise armies able to deal with Germany's veterans, to strike the finishing blow of the war. It is true that something like 500,000 good soldiers, if Winston Churchill's estimate is correct, have been kept in England to guard against possible men over military age.

Indicate the king, the queen. This soldiers in arms, and in maintaining one sketches which he made under fire in daily displayed auxiliary services, and no trained or untrained reserves are lext except a limited number of immature boys and kept in England to the king, the queen. This soldiers in arms, and in maintaining one sketches which he made under fire in daily displayed auxiliary services, and no trained or untrained reserves are lext except a limited number of immature boys and the first the official dispatches. ing blow of the war.

thing like 500,000 good soldiers, if Winston or untramed the following like 500,000 good soldiers, if Winston or untramed the following limited number of immature o scene of its "victory" in the North Sea and disposed of the widespread legend that it had a new and terrible weapon up its sleeve, but subtracting this half llion from these islands' total of 5,040, 600 volunteers, deducting 1,000,000 killed, wounded and sick, adding 1,000,000 men as the ultimate effort of the dominions and colonies, and a reasonable allowance for conscripts, it is seen that the British re-serves are amply sufficient to insure that Kitchener's plan may be carried out.

5,500,000 Available.

The empire has available at present not less than 5,500,000 soldiers at home,

Discussion concerning the details of French contribution to man power is frowned upon in Paris, but, roughly, frowned upon in Paris, but, roughly, France has put 5,000,000 men in the field. not counting the boys of eighteen and nineteen who have not yet completed their training, and her permanent wastage from all sources is generally put at much less than half, but more than one-third that figure. Her casualties have fallen more heavily in proportion upon the younger men, who make the best sol-diers, as during the first eighteen months of war the older classes, unable to endure trench hardships so well as their juniors, were used in the lighter and less dangerous duties in the rear. Efforts have now been made to check this wastno important events are proceeding, the advanced positions are held by inferior troops, so that the inevitable daily losses fall upon them, while the more vigorous men, formed into "shock corps," are held in reserve, to be thrown into action only upon important occasions. It was a construction of the most occasions to the construction of the most occasions to the most possible, and thome from which wastage can be made up, such as Britain and Russia possess. This lack of central reserves means either that the actual fighting strength of the German units must decline from now on—and the allies claim the construction of t in reserve, to be thrown into action only upon important occasions. It was a to have evidence that this process has 'shock corps' which hurled back the Germans on the Douaumont pleateau in February and saved Verdun, and others have been used from time to time in the counter-attacks which the undertake when the ceaseless Jerman assaults menace some position of vital importance.

Russian Forces Small,

Amazing misconceptions have prevailed concerning Russia, and stories about ten million Slavs in arms have gained currency. How many soldiers may be training ing in the rear I do not know, but the ing in the rear a would be stated that surprising fact may now be submitted his rous.

who ought to know better, still have a mission to Russia was an attempt to find

petant to judge outside of Germany, the intelligence departments of Germany's armies, will now be explained in detail.

9,000,000 Germans in Field.

Germany has put into the field almost weapons; at least 120 of these giants were used on a narrow front against the Italians in the Trentino offensive, and more than 200 have hammered the defenses of Verdun. Great strides have been made recently by British and French gunmakers, and the present victorious Russian attack indicates that Russia too. exactly 9,000,000 soldiers, some \$,000,000 more than her experts before the war, like the American initiation in the boldiers and her recruitment is extra work during the summer and autumn before reaching the trenches. After february 1, 1915, no trained men remained, and the work of preparing untrained material for fighting commenced. Unlike France, Germany in peace time trains less than two-thirds of her young men and called out soon after, and will appear asoon at the front, the German system allowing for not more than five months training before the recruit is held fit for the firing line. Half the boys of the class of 1913 are not yet eighteen years old, and they will be the next to be drafted. About 700,000 boys attain military and the Franch experiments when in standard, but just the war for preparing untrained material for fighting commenced. Unlike France, Germany in peace time trains less than two-thirds of her young men than flow material for fighting commenced. Unlike France, Germany in peace time trains less than two-thirds of her young men to sell the war follows the fighting commenced. Unlike France, after experimenting went back in 1915 to her nine-month standard, but just the war solders he war for fighting commenced. Unlike France, after experimenting went back in 1915 to her nine-month standard, but just the war solders he war for fighting commenced. Unlike France, after experimenting went back in 1915 to her nine-month standard, but just the war solders he war for fighting commenced. Unlike France, after experimenting went back in 1915 to he rule with the witness of preparing untrained material for fighting commenced. Unlike France, after experimenting went back in 1915 to he rule witness of 1915 to he vit a war turn before reaching the trenches. After 1915 to he war to witness of preparing untrained material for fighting commenced. Unlike France, after experimenting went back in 1915 to he vit a war turn before reaching the trenches. After 1915 to her nine-month standard, but just the war tu as supplied herself, or been supplied by er friends, with the right kind of guns and called out soon after, and will appear and called out soon after, and will appear soon at the front, the German system allowing for not more than five months that given time enough the arsenals of the world will be able to overhaul the teatons in artilliery production, as the unition plants are doing in the shell itput, but I am unable to give even apoximate figures indicating the present lative positions of the rival powers as gards artillery.

The most important allowing for not more than five months training before the recruit is held fit for not more than five months training before the recruit is held fit for not more than five months training before the recruit is held fit for not more than five months training before the recruit is held fit for not more than five months training before the recruit is held fit for class of 1918 are not yet eighten years old, and they will be the next to be draft-day and they will be the next to be draft-day of the class of 1918 are not yet eighten years old, and they will be the next to be draft-day and they will b

Schemed to Overwhelm the strength comprises 20,000 men, but under modern conditions so many of these must be used for services non-combatant tons Have but 2,114,000 tons Have but 2,114,000 Bayonets Left — Thirty Thousand Boy Reserves.

> 2,114,000 bayonets available for the trenches, with 906,000 men at the front performing other duties, although this is probably a slight overestimate, as all the German Losses 3,000,000.

> There is much controversy concerning Germany's losses, but the most capable and conservative neutral critics, such as

> decision over Russia.

maintained fresh for use at ....
ments. These are "reserves," and of
them Germany has many divisions, while
part of every division is at most times a
local reserve. In saying Germany has
no reserves left, I use the term in its
other sense, as meaning that all troops
other sense, as meaning that all troops
of or near the front, and
might entail. Instead, he shaved off his
iron gray mustache, generally adopted
iron for New begun—or else that some divisions must be altogether abolished and their sur-livors used to fill the gaps to keep the other units at full strength.

Britain's Advantage.

Britain over Germany can now be appreciated. Including dominion forces, Britain has within 500,000 as many men in the imperial army at present as has Germany, but is using not nearly half so many at the front. While all of Germany's 151 divisions are on the fighting line or within immediate call—the same is true of France and Austria—not nearly all of Britain's sights.

the final blow. France is playing the heavy role now. It would have been possible for Britain, by creating more divisions with fewer reserves, to play a bigger part in the 1916 campaign, but he Entente armies, and help be ingreesed.

The central powers, contrary to much hat has been written and said by people had been written and said by people had been written and said by people had been written and said by people and it is said Lord Kitchener's ill-fated and the scheme of the new armies, which is wholly his, is based on the assumption of the maximum result for the efforts.

ties, for the educated class in Russia is far smaller in proportion to the population than elsewhere in Europe, and most of the original officer corps was wiped out during the disasters of last year.

The present position of Germany, as understood by the authorities most competant to judge outside of Germany, the petant to judge outside of Germany, the constant for the state of t

oximate figures indicating the present active positions of the rival powers as agards artillery. There remains the most important oblem—that of man power. Men can the theory of these are unfit, and the French head quarters staff figures on the analogy of the standard oblem—that of man power. Men can the third of the standard oblem—that of man power. Men can the third of the standard oblem—that of man power. Men can the third oblem—that of the standard oblem—that of man power. Men can the third oblem—that of the standard oblem—that oblem—that

By Sketches of Gallipoli Special Co. Paris.

All England Paying Tribute to Genius of Sapper Moore-Jones, Familiarly Known as "Spider"-Sketches Exhibited Before King and Queen at Palace.

Epecial Cable to The Washington Herald.

London, July 1.—All England is paying tribute to the genius of a soldier artist from New Zealand who considered artists that by enlisting soon after the out-break of the war he had made mincemeat of schemes which he had been laying for years with the one aim of gaining a recognition for his art here similar to that which it has already received in his own land. Thus has fame come to Sapper Horace Moore-Jones, "the artist of Gallipoli," as he has come to be called, upon whom honors have been heaped. The apotheosis of Sapper Moore-Jones,

known familiarly to his friends as Spider, came when the King received the New Zealander at Buckingham Pal-ace and the artist exhibited and ex-plained to the King, the Queen, Prince

field railways built by the Germans behind their lines, which save time and labor; they have twelve near Verdun alone, while the French depend on motor transport. France and Britain did not Riviere, the Royal Academician. The alone, while the French depend on motor transport. France and Britain idd not start building field railways behind their front because they expetced to drive the Germans back long before such jobs could be completed. The German staff commenced its railways in the fall of 1914, after it had decided to hold its ground indefinitely in the west and seek a decision over Russia.

ern front.
Sapper Moore-Jones is within a year The term "reserves" often leads to confusion because when military men use it they may mean either of two things. All armies unless in their last stages have soldiers in the rear, resting in billets or maintained fresh for use at critical moments. These are "reserves," and of them Carmeny has many divisions while

A few days later he was in uniform as a member of probably one of the most remarkable corps of experts that even this world war has brought together, the New Zealander Engineering Corps. was the force that accomplished the en-gineering marvels of Gallipoli, building roads up precipices, bridging chasms that looked unbridgeable, generally ac-

line or within immediate call—the same to his superiors and almost immediately listrue of France and Austria—not nearly Moore-Jones got orders to present himall of Britain's eighty-six divisions are self at a general headquarters, where he

Britain is not shirking, as ill-natured critics have it. She created those eighty-six divisions, and the millions in khakit to support them, for use, not ornament, and she intends they shall be there at the finish and strike, with Russia's help, the final blow. France is playing the heavy role now. It would have been postage of the same than the same vise charts of the con selves and the fleet.

Naval Gunners Hampered.

is wholly his, is based on the assumption that the maximum result for the efforts put forward can be gained in 1917, or, if necessary, 1918. A famous general recently remarked, "Even if France should disappear, we ourselves can whip Germany on land in two years if Russia can take care of Austria and Turkey." It is hard on France, but it is war, and France, grimly enduring, approves the British plan.

"The gunners on our warships were hampered in assitsing us by bombardment by the same lack of reliable maps and the fact that they were practically mit to this enforced inaccuracy. You can realize this when I tell you that when we charged a position with the bayonet. British plan. ritish plan.

The stages by which the German emtween great wooden beams that had to

Errats Sent to Field.

During the next three months, the Ersatz reserve took the field. It was composed of men who had not served their lime, but had received a short training before the war, like the American militia, and it was given several months!

France, after experiments would which he esteems worth mentioning. This was in the right hand and put an end to his sketching for a while. General ill health, the effects of prolonged privation, underfeeding and strain on a man no long-or in the prime of life resulted in his being invalided home in December last. He finally wound up at a military hospital

WAR CUTS SUEZ EARNINGS.

Canal Receipts for 1915 \$5,300,000

on the company's business in 1915. The country cottages in the rural districts total receipts amounted to over \$19,600.

000, being a decrease, as compared with 1914, of over \$5,300,000. Total expenditure war workers, is being made the subject

1914, of over \$5,300,000. Total expenditure amounted to over \$6,400,000, a decrease of \$182,000. The number of passages have been \$7,000, representing \$15,206,155 tons, a decrease of \$1,694 passages and \$143,340 tons, as compared with 1914, or 21.35 per cent or as compared with 1912, the last normal year, a decrease of \$1,877 passages and \$1,4767, tons, or 22.35 per cent.

he was in shape for work he started (working from notes he made on the spot) executing the wonderful series of sketches of Anzac which has made him mal year, a decrease of 1,277 passages and testing which properties of the started (4,767, tons, or 23.80 per cent, contact the string which properties of the str sketches of Anzac which has made him famous. Eventually he returned to London, where his drawings soon came to the notice of the High Commissioner of New Zealand.

These historic sketches, some seventy in number, are for the most part in water color or in water color and pencil. Here at last one discovers how they really looked—Anzac Cove, Suvia Bay, Gaba Tepe, Plugge's Plateau, the posts of Cuinn, Pone and Course him and Turkish flags in In 1913 represented 1,047 passages and 4,229.

The number of passages and 4,229.

The number of passages are discovered to a different process of preparation. In one case watergiass has been commercial traffic must be separated from that created by the war. State ships and ships freighted by States, for which the governments pay the dues, only formed the process of preparation. In one case watergiass has been added, in another soft soap and to the commercial traffic must be separated from that created by the war. State ships and ships freighted by States, for which the governments pay the dues, only formed the process of preparation. In one case watergiass has been added. A "grouting" of commercial traffic must be separated from that created by the war. State ships and ships freighted by States, for which the governments pay the dues, only formed the process of preparation. In one case the earth has been subjected to a different process of preparation. In one case watergiass has been added. A "grouting" of commercial traffic must be separated from the decrease for 1915. But the purely commercial traffic must be separated from that created by the war. State ships and ships freighted by States, for which the outcome the must be separated from the decrease for 1915. But the purely commercial traffic must be separated from the decrease for 1915. But the purely can be added, in another case with the purely commercial traffic must be separated from the decrease for 1915. But the purely can be added, a grouting of commercial traffic must be separated from the decrease for 1915. But t

by 72,000, as compared with 1913, although 119,812 military passengers have been carof Quinn, Pope and Courtenay, and last of all the Sphinx, that rocky projection from whose brow the Turks let down by ropes a "sniper" supplied with ammunition and food to last many days, whose

New Transvaal Diamond Mine.

Cured by News of His Own Death. question hammers home the fact that an amazing feat is performed in keeping one bayonet in the trenches for every two men at the front and rear, performing the thousand-and-one jobs necessary to keep a modern army going. That is what the German army is doing, although the proportion in the British army. Winston Churchill recently told the Commons, is three non-combatants to one bayonet. The explanation is the innumerable light field railways built by the Germans bebeen discovered eighteen miles from Pretoria, near the Premier, which produced the Cullinan stone. The roads leading to it are crowded with wagon loads of people seeking to peg out claims.

At present French soldiers are couged to submit to vaccination against small-pox and typhoid fever, but they cannot be compelled to accept chloroform against their will. One of Brazil's most important rail-

deadly fire sent many soldiers to their

graves before he was accounted for.

MUD HOUSES FOR ENGLISH.

Experiments Now Being Carried o by London College.

Special Cable to The Washington Herald.

Parls, July 1.—The annual report of the Suez Canal Company gives some interesting details on the effect of the war

testing which proves most suitable to the

sory in Army Surgery.

Special Cable to The Washington Herald.

Paris, July 1.—The French Academy of Medicine is considering the advisability of recommending the government to Special Cable to The Washington Herald.

London, July 1.—A Johannesburg dispatch says that a diamond mine, has is painful.

London discovered eighteen miles from Pre
At present French soldiers are obliged make the use of chloroform compulsory in

A committe has been formed to study the question as well as that of remering compulsory the injection of serums in all cases wher the latter are declared to be necessary by the doctor.



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